IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re application of)
Carsten DIEDERICHS)
Volker LOHWEG

 Volker LOHWEG
)

 Jörn SACHER
)

 Bernd Rüdiger STÖBER
)

 Thomas TÜRKE
 ()

 Harald Heinrich WILLEKE
)

Application No. : TBD

Filed : September 27, 2005

For : METHODS FOR QUALITATIVE

EVALUATION OF A
MATERIAL WITH AT
LEAST ONE
IDENTIFICATION
CHARACTERISTIC

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.97 and 1.98, and with MPEP Section 609, the materials set forth on the enclosed PTO/SB/08a and 08b forms are brought to the attention of the Examiner. Copies of the non-U.S. documents are enclosed. Copies of the U.S. patent documents are not enclosed.

Each of the documents cited in the International Search Report, which was issued on October 22, 2004, is listed on one of the PTO/SB/08a or 08b forms.

EP 1 059 800 is in the English language. It also corresponds to U.S. 6,580,820.

DE 199 40 879 is accompanied by an English language abstract which was obtained from a commercial database.

U.S. 5,384,859 is in the English language.

DE 101 32 589 corresponds to U.S. patent application publication No.

2004/0179724.

The publication by Tony Johnson is in the English language.

WO 98/39627 is in the English language. It is also the equivalent of U.S. patent No. 6.654,048.

U.S. patent No. 6,069,973 is in the English language.

JP 11-41478 corresponds to U.S. patent application publication No.

2001/0040588.

JP 2001-16607(is accompanied by an English language abstract which was obtained from a commercial database.

The documents cited in the specification of the subject application, and not also set forth above, are also listed on the PTO/SB/08a form.

DE 196 13 082 corresponds to U.S. patent No. 6,111,261.

DE 102 34 086 is accompanied by an English language abstract which was obtained from a commercial database.

DE 198 02 781 is accompanied by an English language abstract which was obtained from a commercial database.

CH 684 222 corresponds to U.S. patent Nos. 5,503,262 and 5,522,491.

Various additional patent documents and publications were provided to the

undersigned by applicants' principal representatives in Germany without comment.

These are listed on either the PTO/SB/08a or 08b forms.

- U.S. patent No. 6,516,078 is in the English language.
- U.S. application No. 2002/0039446 is in the English language.
- U.S. patent No. 5,602,938 is in the English language.

In a letter dated May 2, 2005, a copy of which is being filed with this application, the applicants' principal representatives in Germany brought several patent documents and several publications to the attention of the European Patent Office. These materials are listed on the PTO/SB/08a and 08b forms.

DE 41 36 461 corresponds to U.S. patent No. 5,256,883.

DE 200 10 920 does not appear to have an English language abstract or equivalent. It appears to show a printing machine that includes a camera or scanning device 16 which is located after four printing units and before a printed product removal device.

DE 203 03 574 does not appear to have an English language abstract or equivalent. It appears to show an inspection system for a printing machine.

The three publications set forth in that letter are discussed below.

The Lucht et al. document explains on page three in the last paragraph, also referring to footnote 2, that parallelizing of the image processing can be performed by means of powerful multi-processor systems, wherein the parallelization concept is track-oriented, i.e. a strip-shaped division of the material web and separate image processing takes place by means of associated computer techniques.

The Franke et al. document explains on page two under item three in the second

paragraph that this inspection system requires a lineup of several cameras.

The third document is a compilation of the results of the two documents above.

The Lohweg and Müller document was cited in the Written Notification, which is a part of the International Search Report mailed October 22, 2004. It describes two-dimensional spectral transforms for determining characteristics for image pattern detection.

Entry of these materials into the file of the subject U.S. patent application, and their consideration by the Examiner, is respectfully requested.

Respectfully submitted,

Carsten DIEDERICHS Volker LOHWEG Jörn SACHER Bernd Rüdiger STÖBER Thomas TÜRKE Harald Heinrich WILLEKE

Applicants

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September 27, 2005 JONES, TULLAR & COOPER, P.C. P.O. Box 2266 Eads Station Arlington, Virginia 22202 (703) 415-1500 Attorney Docket: W1.2099 PCT-US

PTO/SB/08a (07-05)

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Signature

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number

Filing Date 09/27/2005

First Named Inventor Carsten Diederichs
Art Unit

Examiner Name

Attomey Docket Number WI 2099PCT-US

| | | | U.S. PATENT | | |
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| Examiner nitials* | Cite No.1 | Document Number Number-Kind Code ^{2 (f Incom)} | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| /JC/ | 1 | us. 6,654,048 | 11/25/2003 | Barrett-Lennard et al. | |
| | 2 | us- 6,580,820 | 06/17/2003 | Fan | |
| | 3 | us- 6,516,078 | 02/04/2003 | Yang et al. | |
| | 4 | us- 6,111,261 | 08/29/2000 | Bolza-Schunemann et al. | |
| | 5 | us- 6,069,973 | 05/30/2000 | Lin et al. | |
| | 6 | us- 5,602,938 | 02/11/1997 | Akiyama et al. | |
| | 7 | us- 5,522,491 | 06/04/1996 | Baudat et al. | |
| | 8 | us- 5,503,262 | 04/02/1996 | Baudat et al. | |
| | 9 | us- 5,384,859 | 01/24/1995 | Bolza Schunemann et al. | |
| | 10 | us- 5,256,883 | 10/26/1993 | Weichmann et al. | |
| J | 11 | us- 2004/0179724 | 09/16/2004 | Sacher et al. | 1 |
| V | 12 | us- 2002/0039446 | 04/04/2002 | Santoni | Ì |
| /JC/ | 13 | us- 2001/0040588 | 11/15/2001 | Shiraiwa et al. | 1 |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| Cite No.1 | Country C | Foreign Patent Document Code ³ Number ⁴ 'Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | ₽° | | |
| 1 | CH | 684222 A5 | 07/29/1994 | Baudat et al. | | | | |
| 2 | DE | 203 03 574 U1 | 05/06/2003 | MAN Roland Druckmaschinen AG | | | | |
| 3 | DE | 200 10 920 U1 | 10/19/2000 | MAN Roland Druckmaschinen AG | | | | |
| 4 | DE | 199 40 879 A1 | 08/03/2001 | Ludge | ì | | | |
| 5 | DE | 198 02 781 A1 | 07/29/1999 | gleich | | | | |
| | 1 2 3 4 | 1 CH 2 DE 3 DE | Cite Foreign Patent Document | Cite No. 1 Foreign Patent Document Country Code* **Invalen** Kind Code* (if Rosen) Publication Date MM-DD**/YY 1 CH 684222 A5 077/29/1994 2 DE 203 03 574 U1 05/06/2003 3 DE 200 10 920 U1 10/19/2000 4 DE 199 40 879 A1 08/03/2001 | Cite | Cite | | |

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/Jose Couso/

Date

Considered

06/25/2008

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Sheet

Examiner 1

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Document Number

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| Application Number | | | | | |
| Filing Date | 09/27/2005 | | | | |
| irst Named Inventor | Carsten Diederichs | | | | |
| Art Unit | | | | | |
| Examiner Name | | | | | |

U. S. PATENT DOCUMENTS **Publication Date** Name of Patentee or Pages, Columns, Lines, Where MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code^{2 (F known)}

Attorney Docket Number W1.2099PCT-US

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| Initials* | No.' | Country | Code ³ Number ⁴ Kind Code ⁵ (if known) | MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages or Relevant Figures Appear | T⁵ | | | |
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| 1 | 7 | DE | 102 34 086 A1 | 02/19/2004 | Lohweg | | | | | |
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| /JC/ { | 10 | EP | 1 059 800 A2 | 12/13/2000 | Fan | | | | | |

| Examiner Signature | /Jose Couso/ | Date Considered | 06/25/2008 |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Platent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO 16 process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USFTO. Time will vary depending upon the individual case. Any comments on the arrigant of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| Filing Date | 09/27/2005 | | | | | |
| First Named Inventor | Carsten Diederichs | | | | | |
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| Examiner Name | | | | | | |
| Attomey Docket Number | W1.2099PCT-US | | | | | |

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Examiner Signature /Jose Couso/ Date Considered 06/25/2008

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| | INFOF | RMATION | DISCLO | SURE | Filing Date | 09/27/2005 | |
| | STATI | EMENT B | Y APPLI | CANT | First Named Inventor | Carsten DIEDERICHS | |
| | | } | | | Art Unit | | |
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NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, Examiner Cite magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city Initials* Nο and/or country where published. C. LUCHT, K.-H FRANKE, "Quality Control of Imprinted, Textile Web Material - Selection Solution /JC/ Method for Inspecting Color Patterns", 5th Workshop Color Image Processing, Publication Series of ZBS e.V., Report No. 1/99, Ilmenau, 1999, 9 pages, ISSN 1432-3346; Workshop on 10/07 and 08/1999 (3 pages), K. -H FRANKE, H. KEMPE, C. LUCHT, "Automating the Industrial Material Inspection in Connection with Complex Patterned Web-Shaped Material - A Challenge to Image Analysis," Conference Report, 42nd 2 /JC/ International Scientific Colloquim, Techn. University Ilmenau, 1997, 7 pages," T. JOHNSON, "Methods for Characterizing Colour Scanners and Digital Cameras," Displays, Elsevier 3 Science Publishers B.V., Barking, GB, Bd. 16, Nr. 4, 1. Mai 1996 (1996-05-01), Seiten 183-191, /JC/ XPO04032520, ISSN 0141-9382, C. LUCHT, C. NOWACK, O. -S, "Novel Image Processing Technologies for the Automated OPtical Control of Structured Surfaces During Production," Project No. 216, Final Report, AS, Research Committee Mechanical Engineering e.V., Frankfurt (Main); FKM, 2000, 125 p. (Research Publication / Research Committee Mechanical Engineering e.V., No. 250)," /JC LOHWEG AND MULLER, "A Generalized Method for Calculating Transformation-Invariable Circular /JC/ Transformations for Application in Signal and Image Processing," pp. 213 to 220, DAGM Symposium, Sep. 13 5 to 15, 2000,"

| Examiner Signature | /Jose Couso/ | Date Considered | 06/25/2008 |
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^{*}EXAMINER: Initial if referesce considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
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